

Claims

- 5 1. A sheet product comprising a paper sheet having on its front a printable coating comprising a pigment and a binder, and on its back isolated droplets of colour former solution each confined within a pressure rupturable barrier, characterised in that the paper sheet carrying said
- 10 pigment/binder coating has a Bendtsen porosity in excess of 100ml/min prior to the application of the droplets of colour former solution.
2. A sheet product according to claim 1, characterised in
- 15 that the paper sheet carrying said pigment/binder coating has a Bendtsen porosity in excess of 120ml/min prior to the application of the droplets of colour former solution.
3. A sheet product according to either claim 1 or claim 2,
- 20 in which the pigment/binder coating includes a synthetic reactive sizing agent or a coating structure agent or both.
4. A sheet product according to claim 3, the sizing agent being an alkyl ketene dimer, alkenyl succinic anhydride, or a
- 25 polyurethane, and the coating structure agent being a carboxy methyl cellulose, a protein, or an alginate.
5. A sheet product according to either claim 3 or claim 4, in which the size if present is present in the pigment/binder
- 30 coating in an amount of from 0.5-10 parts by weight, and the coating structure agent if present is present in the pigment/binder layer in an amount of from 0.5 - 5 parts by weight.

6. A sheet product according to any one of claims 3 to 5, which contains carboxy methyl cellulose.

7. A sheet product according to any one of claims 1 to 6, in which the pigment is selected from calcium carbonate, china clay (kaolin), calcined clays, titanium dioxide, finely divided silica, talc, and mixtures thereof.

8. A sheet product according to claim 7, in which the pigment is calcium carbonate.

9. A sheet product according to any one of claims 1 to 8, in which the particle size of the pigment is in the range of from 1 to 10 microns.

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10. A sheet product according to any one of claims 1 to 9, in which the binder is a synthetic rubber latex, a styrene acrylic latex, or an ether derivative of starch.

20 11. A sheet product according to any one of claims 1 to 10, in which the coat weight of the pigment/binder layer is in the range of from 2 to 10 g/m².

25 12. A carbonless copy paper set which includes at least a CB sheet and a CF sheet, in which the CB sheet is a sheet product as claimed in any one of claims 1 to 11.

30 13. The use of a coating comprising a pigment and a binder and having characteristics such that when used in a sheet product as a coating on the front of a paper sheet having on its back isolated droplets of colour former solution each confined within a pressure rupturable barrier, the paper sheet product carrying said pigment/binder coating has a Bendtsen porosity in excess of 100ml/min prior to the

application of the droplets of colour former solution; said use being to reduce curl following printing of the sheet product using an electrophotographic printer.

- 5 14. The use according to claim 13, in which the pigment/binder coating has the characteristics of any one of claims 1 to 11.